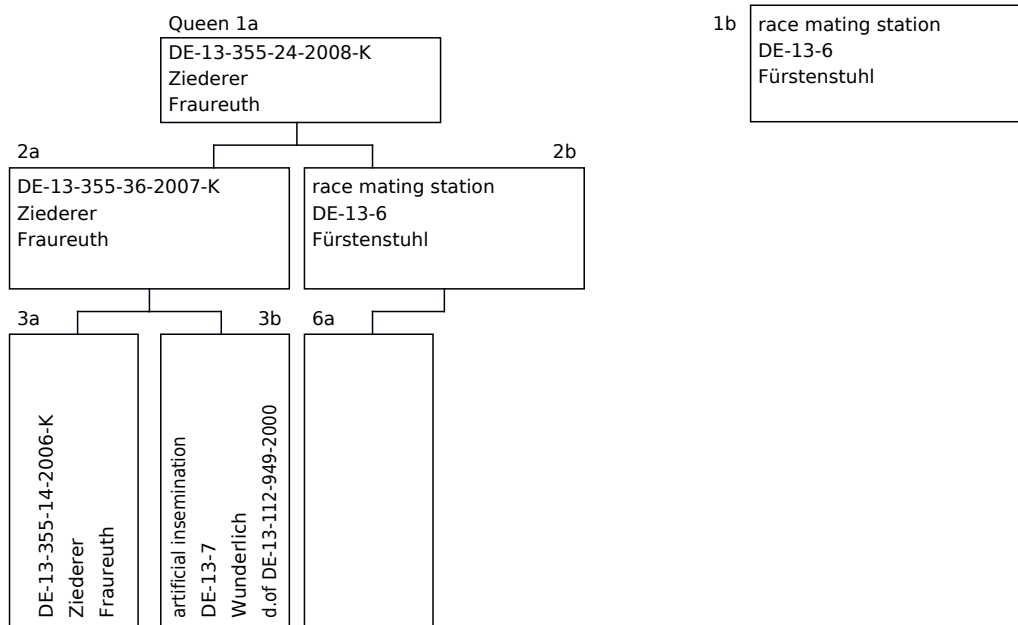


Tester of the queen: Ziederer, Werner, 08427 Fraureuth, DE-13-355, Apiary 1  
 Breeder of the queen: Ziederer, Werner, 08427 Fraureuth, DE-13-355  
**1a** Studbook number: **DE-13-355-24-2008-K**

Race line: Sign: red 48 Daughters of Queen: 0%  
 Generation: 32 Hatch date: 11.06.2008 Workers: 0%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony V5 |                 |               | comparable colonies at the apiary |                  |      |
|-----------------------------------------|----------------------|-----------------|---------------|-----------------------------------|------------------|------|
|                                         | kg                   | %               | Ranking       | number                            | Yield average kg |      |
|                                         | 57                   | 114.3           | 1             | 8                                 | 49.9             |      |
|                                         | Assessment*          | Breeding values |               |                                   | Reliability      |      |
| <b>Total breeding value<sup>1</sup></b> | -                    | 113             |               |                                   |                  |      |
| Honey yield                             | -                    | 116             |               |                                   |                  | 0.33 |
| Defensive behavior                      | 4                    | 110             |               |                                   |                  | 0.54 |
| Steadiness on comb                      | 4                    | 110             |               |                                   |                  | 0.57 |
| Swarming drive                          | 3.80                 | 123             |               |                                   |                  | 0.32 |
| Varroa                                  | -                    | (103)           |               |                                   |                  | 0.16 |
| Performance index                       | -                    | 0               |               |                                   |                  |      |
| Robustness in winter                    | 4                    |                 | 70% 100% 170% |                                   |                  |      |
| Development in Spring                   | 4                    |                 |               |                                   |                  |      |
| Colony strength                         | 4                    |                 |               |                                   |                  |      |

<sup>1</sup>In accordance with the resolution of the breeder convention of 9th April 2011, for the total breeding value, Varroa tolerance is weighted by 40% and honey yield, gentleness, calmness during inspection, and swarming tendency are each weighted by 15%.

### C. Performance of the sisters

See page 2

### D. Body features, see appendix

none Analysis of race characteristics

### E. Results

#### Class A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

# Breeding selection report DE-13-355-24-2008-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 8

| Studbook number     | Tester of the queen | Apiary | Total breeding value | Yield kg | Breeding Value Honey | Defensive behavior | Breeding Value Defensive | Calmness during inspection | Breeding Value Calmness | Swarming drive | Breeding Value Swarming | Varroa-index | Performance index |
|---------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|-------------------|
| DE-13-355-15-2008   | DE-13-355           | 1      | 99                   | 55       | 106                  | 3.9                | Behavior                 | 3.8                        | 106                     | 2.8            | 106                     | (100)        |                   |
| DE-13-355-16-2008   | DE-13-355           | 1      | 95                   | 45       | 95                   | 3.9                | 95                       | 3.8                        | 95                      | 3              | 95                      | (97)         |                   |
| DE-13-355-17-2008   | DE-13-355           | 1      | 99                   | 54       | 106                  | 3.9                | 96                       | 3.8                        | 96                      | 3              | 98                      | (99)         |                   |
| DE-13-355-19-2008   | DE-13-355           | 1      | 93                   | 40       | 89                   | 3.9                | 95                       | 3.8                        | 94                      | 3              | 93                      | (96)         |                   |
| DE-13-355-22-2008   | DE-13-355           | 1      | 98                   | 48       | 100                  | 3.9                | 99                       | 3.9                        | 99                      | 3              | 97                      | (98)         |                   |
| DE-13-355-23-2008   | DE-13-355           | 1      | 101                  | 55       | 108                  | 3.9                | 100                      | 3.9                        | 100                     | 3              | 100                     | (100)        |                   |
| DE-13-355-24-2008-K | DE-13-355           | 1      | 113                  | 57       | 116                  | 4                  | 110                      | 4                          | 110                     | 3.8            | 123                     | (103)        |                   |
| DE-13-355-27-2008   | DE-13-355           | 1      | 97                   | 45       | 96                   | 3.9                | 99                       | 3.9                        | 99                      | 3              | 96                      | (98)         |                   |